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TI Manufacture of water-soluble flavonol glycosides with galactosidase and

glucanotransferase

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AB The title glycosides having glucose and galactose residues, useful as stable antioxidants and UV absorbers for foods, cosmetics, and pharmaceuticals (no data), are manufd. by treatment of quercetin glycosides with galactose-transferring enzymes and glucose-transferring enzymes in the presence of lactose or galactooligosaccharides and starch. DMSO soln. of rutin was treated with beta.-galactosidase, cyclodextrin glucanotransferase, and phosphate buffer contg. lactose and dextrin at 60.degree. for 4 h to produce 60% glucose- and galactose-modified rutin (rhamnose:glucose:galactose = 1.3:5:1.5). The products showed a *gtoreq.* 10 wt. % solv. in H₂O, vs. 0.001 wt. %, for rutin.

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